Eng. Lib.

COMPRESSED AIR MAGAZINE

PUBLISHED BY

Compressed Air Magazine Company

NEW YORK - - LONDON - - PARIS

Business, Editorial, and Publication Offices
Phillipsburg, N. J.

INDEX to VOLUME XLVI

JANUARY to DECEMBER, 1941

(Copyright 1941, Compressed Air Magazine Company)

COMPRESSED AIR MAGAZINE

INDEX TO VOLUME XLVI

JANUARY-DECEMBER, 1941

A

Air Brush Revives Marine Taxidermy....6520
Conditioned Blast Furnaces....6546
Conditioning on Wheels—C. H. Vivian....6533
Ejector, Quick-Acting, for Die Presses....6545
Gauge Checks Long Bores with Facility....6472
Gun Tests Goggle Lenses....6399
High-Pressure, Used in Testing Shell Fuses....6346
Receiver, Rock-Hewn, Deep Underground....6494
Spray Guns Protect Plane Engines....6599
Tools, Wood Carver Uses....6467
Whistle that "Puffs"....6599
Airflex Coupling Protects Machinery from Shocks....6523
Airplane Construction, Plywood Plastics in....6472
Engines, Cleaning Salvaged....6575
Test Flights, Earth-Bound....6421
Airports, Defense, Maine Being Dotted with....6596
Apple a Day—Henry W. Young....6413
Aqueduct, Delaware, Contractor Wins Battle with Water and Gas—Fred W. Stiefel....6607
Delaware, Tunnel Work at West Branch Reservoir —Don H. Blanks....6329
Automobile, Racer, How Trains....6548
Auto Goes Underground....6598
Stop Barrier at Railroad Crossings and Drawbridges....6541
the Essential....6573

B

Baer, Frank L.—Flotation Gives Us New Bread....6506
Bag, Cement, Rip Closure for....6420
Bags, Sand, Rotproofing....6445
Ballasting, Sand, on the Chicago Subway—Raymond T. Davis....6368
Balls, Chain-Covered, Clean Pipes Without Interrupting Service....6543
Bar Material, Pneumatic Feed for....6523
Bellinger, H. C., Dies....6548
Bessemer Converters—J. S. Fulton....6500
Converters, Electric Eye on Guard at....6523
Bessemer's Start....6624
Blanks, Don H.—Tunnel Work at West Branch Reservoir....6329
Blast Furnaces, Conditioned Air for....6546
Blowtorches Used to Dry Metal Before Painting....6542
Bores, Air Gauge for Checking....6472
Bread, Flotation Gives Us New—Frank L. Baer....6506
Bridge, Niagara's Rainbow—R. G. Skerrett....6584
Building, Modern, of the Charleston Tractor & Equipment Corporation....6469

C

Cable, Underground Telephone, Will Span Country....6539
Calculator Determines Capacity of Proposed Power Plants....6599
Camps, Ghost—C. H. Vivian....6474
Trailer, for Workers....6495
Carbon Black, Cement Industry Possible User of....6420
Carlton Tunnel Completed....6521
Tunnel Drains Portland Mine....6589
Tunnel Drilling....6419
Tunnel Reaches 5-Mile Mark....6370
Tunnel Taps Watercourse—C. H. Vivian....6404
Cartoon—*Feats and Facts*....6344
Feats and Facts....6398
Feats and Facts....6499
Feats and Facts....6550
Castings, Stone....6346
Cast-Iron Pipe—C. H. Vivian....6321
Cement-Bag Rip Closure....6420
Industry Possible User of Carbon Black....6420
Pinch of Resin in, Keeps Roads from Scaling....6522
Chemicals Clear Fog Over Airports....6441
Chicanot, E. L.—The Trans-Canada Highway....6400
—Yellowknife, Canada's Northmost Gold Camp....6557
China, Metal-Plated....6345
Christmas Comes to Madrid, N. Mex.—Carey Holbrook....6603
Cistern Cleaning, Improved Method of....6420
Cleaner for Tank Cars....6445
Coal-Mining Camp, Christmas Comes to—Carey Holbrook....6603
River—L. A. Luttringer, Jr.,....6387
Washing, Compressed Air in—C. H. J. Patterson....6460
Coffee, Let's Have a Cup—R. G. Skerrett....6375
Color, Machine Tools, Change in....6625
Compressed Air, Cleaning Cisterns with....6420
Enveloped Electric Lamps....6396
in Hollywood....6623
in the Movies....6468
in Washing Coal—C. H. J. Patterson....6460
Prizes Offered Writers on....6625
Seventy-Five Years Ago....6574
Compressor, Portable, with a Three-in-One Engine....6442
Story of One that was Shipped by Express— C. H. Vivian....6433
Compressors, Portable, Meet an Emergency....6575
Concrete Pouring—Three Aids for—H. W. Young....6621
Continental Divide Tunnel—Allen S. Park....6391
Tunnel, Drilling Scenes in the....6470
Converters, Bessemer—J. S. Fulton....6500
Bessemer, Electric Eye on Guard at....6523
Core Drill, the Versatile—Allen S. Park....6480
Coupling, Resilient, Protects Machinery from Shocks....6523
Crankshafts, Detecting Cracks in....6575
Creep of Metals Determined by New Method....6625

D

Dam, Building Under "Big Top" to Keep the Earth Fill Dry....6497
Friant, Part I—Henry W. Young....6561
Friant, Part II—Henry W. Young....6577
Grand Coulee....6397
Merriman, Building the—John M. Ribble....6525
Mud Mountain, Building Under Cover....6544
Nantahala, Sluicing the Abutments of....6371
Project, Fort Supply—Howard Wilson....6518
Davis, Raymond T.—Sand-Ballasting on the Chicago Subway....6368
Delaware Aqueduct, Building the Merriman Dam— John M. Ribble....6525
Contractor Wins Battle with Water and Gas—Fred W. Stiefel....6607
Tunnel Work at West Branch Reservoir —Don H. Blanks....6329
Dials, Instrument, that Retain Whiteness in Service....6522
Diamonds, the Power of—C. F. Greeves-Carpenter....6357
Dickerman, Anna—Toys of All Times....6615
Die Presses, Quick-Acting Air Ejector for....6545
Dies, Extrusion, Colloidal Graphite Lubricates....6497
Dowel-Pin Mystery....6574
Dredging the Kennebec River—W. H. O'Connell....6619
the Lower Missouri River....6509
Drill, Airplane, for Placer Prospector—Henry W. Young....6340
Calyx, in Northland—Frank Miller....6486
Core, the Versatile—Allen S. Park....6480
Rock, and Priorities....6444
Drilling, Hand, Demonstration of....6345
in Carlton Tunnel....6419
Mine, Safety in—T. G. Murdock....6335
Scenes in the Continental Divide Tunnel....6470
Submarine, on Lower Missouri River....6509
Duck Dinner, Inflated....6574

E

Ear Defenders....6625
Eimco Tunneloader....6395
Electric Power, Harnessing Wind for....6421
Elliott, Bill—*An Idle Dream*....6447
Engine, Three-in-One, for Portable Compressor....6442

F

Factories, Suggestion Plan in....6624
Feats and *Facts* Cartoon....6344
Cartoon....6398
Cartoon....6499
Cartoon....6550
Filling Stations Collect Taxes Too....6573
Flame-Priming Metal Before Painting....6542
Flotation Gives Us New Bread—Frank L. Baer....6506
Fog Over Airports Cleared Away with Chemicals....6441
Fort Supply Dam Project—Howard Wilson....6518
Foundries, Pneumatic, Sand-Handling System for....6373
Friant Dam, Part I—Henry W. Young....6561
Part II—Henry W. Young....6577
Fulton, J. S.—Bessemer Converters....6500
Fuses, Shell, High-Pressure Air Used in Testing....6346

G

Garage, Underground, for Autos....6598
Gas-Making, Pictorial Story of....6437
Natural, Liquefied for Storage—A. M. Hoffmann....6417
Gasoline Molecule, Reforming the—D. J. Smith and L. W. Moore....6516
Gauge, Air, for Checking Long Bores....6472
Measures Thickness of Sheet Metal....6445
Gems, Industrial....6372
Goggle Truck....6625
Gold Camp, Yellowknife, Canada's Northmost—E. L. Chicanot....6557
Mines, Safety in Rand....6495
Grand Coulee Dam....6397
Graphite, Colloidal, Lubricant for Extrusion Dies....6497
Greeves-Carpenter, C. F.—The Power of Diamonds....6357
Grinder Keeps Crankpins Round and True....6346
Guide Lines on Tunnel Headings, Protractor Helps Paint....6546
Gun Bores, Long, Checked with Facility with Air Gauge....6472

H

Handbook, Peele's, New....6523
Headings, Tunnel, Protractor Helps to Paint Guide Lines on....6546
Hecla Mining Company, The Saga of the—H. W. Ingalls....6591
Heitzman Expansible Plugs for Stemming Drill Holes....6395
Highway, the Trans-Canada—E. L. Chicanot....6400
Week, Texas Holds....6396
Hoffmann, A. M.—Infrared Lamps Eliminate a Bottleneck in Industry....6514
—Liquefying Natural Gas for Storage....6417
Holbrook, Carey—Christmas Comes to Madrid, N. Mex....6603
Hydrauger Used in Slide Prevention....6440

I

Ice, Iceless....6496
Indian Engineering—Roy E. McFee....6489
Infrared Lamps Eliminate a Bottleneck in Industry—A. M. Hoffmann....6514
Ingalls, H. W.—Evolution of a Mining District....6410
—The Saga of the Hecla Mining Company....6591
Instrument Dials that Retain Whiteness in Service....6522
Iroquois Engineering—Roy E. McFee....6489

K

Kennebec River, Dredging the—W. H. O'Connell....6619
Kinnear, Wilson S., Death of....6547

L

Labor's Leisure....6419
Lathe, New, Features Air Control....6496
Lees, R. Crawford—Something About Talc....6455
Lenses, Goggle, Air Gun Tests....6399
Lights, Electric, Enveloped in Compressed Air....6396
Liquefying Natural Gas for Storage—A. M. Hoffmann....6417
Lubricant for Extrusion Dies....6497
Lubricating Heavy Equipment on the Job....6396
Luttringer, Jr., L. A.—River Coal....6387

M

McFee, Roy E.—Iroquois Engineering....6489
Machine-Tool Gray, Lighter....6625
Machinery Row Dresses Up....6469
Magnetic Force Gauges Thickness of Sheet Metal....6445
Magnetite, New Jersey—C. H. Vivian....6380
Magnetizing Crankshafts to Detect Cracks....6575
Maxwell House Coffee—R. G. Skerrett....6375
Merriman Dam, Building the—John M. Ribble....6525
Metal-Plated China....6345
Metals, Creep of, Determined by New Method....6625
Miller, Frank—A Northland Expedition....6486
Mine Drilling, Safety in—T. G. Murdock....6335
Magnetite, Mount Hope—C. H. Vivian....6380
Portland, Carlton Tunnel Drains....6589
Mines, Deep Nonmetallic....6397
Safety in Rand Gold....6495
Minerals and the War....6471
Mining Camp, Coal, Christmas Comes to—Carey Holbrook....6603
Camp, Yellowknife, Canada's Northmost—E. L. Chicanot....6557
Camps, Ghost—C. H. Vivian....6474
Company, Hecla, The Saga of the—H. W. Ingalls....6591
District, Evolution of a—H. W. Ingalls....6410
Safety in....6343
Missouri River, Dredging the Lower....6509
Moore, L. W.—Reforming the Gasoline Molecule....6516
Movies, Compressed Air in....6468
Compressed Air in....6623
Mud Mountain Dam Built Under Cover of a Tent....6544
Munitions Work, Speeding....6471
Murdock, T. G.—Safety in Mine Drilling....6335

N

Nantahala Dam, Sluicing Abutments of....6371
New York Stock Exchange—C. H. Vivian....6348
Northland Expedition—Frank Miller....6486

O

O'Connell—Dredging the Kennebec River....6619
—Oil to Montreal....6551
Oil from Depleted Wells....6373
Industry, Texas, Beginning of—C. H. Vivian....6433
Reserves, Our....6521
to Montreal—W. H. O'Connell....6551
Ozone, Super Oxidizer—C. H. Vivian....6568

P

Park, Allen S.—Continental Divide Tunnel....6391
—The Popular Peanut....6423
—The Versatile Core Drill....6480
Partitions, Factory-Made....6599
Patterson, C. H. J.—Compressed Air in Washing Coal....6460
Peanut, the Popular—Allen S. Park....6423
Peele's Handbook, New....6523
Perspiration, Time Spent in Mopping....6574
Petroleum, Versatile....6444
Photoelectric Cell on Guard at Bessemer Converters....6523
Photographs, Dealing with Compressed Air, Prizes for....6598
Pipe, Big, Cast in India....6548
Cast-Iron—C. H. Vivian....6321
Crawlers, Rotary, Clean Without Interrupting Service....6543
Line, Oil, to Montreal—W. H. O'Connell....6551

Placer Prospector, Mechanizing the—Henry W. Young....6340
Plastics, Plywood, in Airplane Construction....6472
Plating Under a Vacuum....6421
Plugs, Expansible, for Stemming Drill Holes....6395
Plywood—Henry W. Young....6429
Plastics in Airplane Construction....6472
Pneumatic Device for Training Automobile Racers....6548
Machine Feeds Bar Material....6523
Sand-Handling System for Foundries....6373
Poem—*An Idle Dream* by Bill Elliott....6447
—*The Ballad of Mokelumne Ed*....6601
—*The Miner's Lament*....6447
Portable Compressor with a Three-in-One Engine....6442
Powder Metallurgy....6624
Power Plants, Floating....6397
Proposed, Calculator Determines Capacity of....6599
Presses, Die, Quick-Acting Air Ejector for....6545
Priorities and Rock Drills....6444
Prizes Offered Writers on Compressed Air....6625
Prospector, Placer, Mechanizing the—Henry W. Young....6340
Protractor Helps to Paint Guide Lines on Tunnel Headings....6546

Q

Quench Tank, Air-Operated....6345

R

Railroad Crossing Barrier, Auto-Stop....6541
Signal....6497
Rainbow Bridge, Niagara's—R. G. Skerrett....6584
Resin, Pinch of in Cement Keeps Roads from Scaling....6522
Ribble, John M.—Building the Merriman Dam....6525
Rice—C. H. Vivian....6448
Roads, Prevented from Scaling by Pinch of Resin in Cement....6522
Roadbuilding in the Pennsylvania Mountains....6587
Material, Waste Converted into....6346
Soldiers....6547
Rock Drills and Priorities....6444
Rotproofing Sandbags....6445

S

Safety in Mining....6343
in Mine Drilling—T. G. Murdock....6335
Stop at Railroad Crossings and Drawbridges....6541
Salmon, H. S., Prominent Southern Engineer, Dies....6597
Sand-Handling System, Pneumatic, for Foundries....6373
Sandbags, Rotproofing....6445
Service Station, Portable....6396
Ships to Win and Hold Overseas Trade—Robert G. Skerrett....6362
Shoes, Staticless....6545
Signal, Warning, at Railroad Crossings....6497
Skerrett, R. G.—Let's Have a Cup of Coffee....6375
—Niagara's Rainbow Bridge....6584
—Ships to Win and Hold Overseas Trade....6362
Slide Prevention, Unusual Job of....6440
Slogans, War-Winning....6624
Sluicing the Nantahala Dam Abutments....6371
Smith, D. J.—Reforming the Gasoline Molecule....6516
Smoke Arresters....6575
Nuisance, The....6573
Sod Cutter, Mechanical....6496
Soldering Tool, Electric, Silver....6548
Soldiers, Roadbuilding....6547
Spray Guns Protect Airplane Engines....6599
Standardization and the War....6343
Steel, Stainless, Plant Devoted Exclusively to Making of....6374
Stiefel, Fred W.—Overcoming Underground Difficulties on Delaware Aqueduct Contract....6607
Stock Exchange, New York—C. H. Vivian....6348
Stone Castings....6346
Stratosphere Flights, Earth-Bound....6421
Stroube Brothers, the Story of—C. H. Vivian....6433
Submarine Drilling in Kennebec River—W. H. O'Connell....6619
on Lower Missouri River....6509
Subway, Chicago, Sand-Ballasting on the—Raymond T. Davis....6368
Suggestion Plans in Factories....6624

T

Talc, Something About—R. Crawford Lees....6455
Tank-Car Cleaner....6445
Quench, Air-Operated....6345
Taxes, Filling Stations Collect....6573
Taxidermy, Marine, Air Brush Revives....6520
Telephone Cable, Underground, Will Span Country....6539
Tent, Building Mud Mountain Dam Under a....6544
in Dam Construction to Keep Earth Fill Dry....6497
Texas Holds Highway Week....6396
Toys of All Times—Anna Dickerman....6615
Trailer Camps, Workers'....6495
Trans-Canada Highway—E. L. Chicanot....6400
Truck Equipped to Lubricate Heavy Equipment on Job....6396
Tunnel, Carlton, Completed....6521
Carlton, Drains Portland Mine....6589
Carlton, Drilling....6419
Carlton, Reaches 5-Mile Mark....6370
Carlton, Taps Watercourse—C. H. Vivian....6404
Century-Old, Enlarging....6443
Continental Divide—Allen S. Park....6391
Continental Divide, Drilling Scenes in....6470
Headings, Protractor Helps Paint Guide Lines on....6546
Work at West Branch Reservoir—Don H. Blanks....6329
Tunneling Idea, a "Wild"....6547
Tunneloader, Eimco....6395

V

Vacuum Cups in Industry....6418
Plating Under....6421
Vivian, C. H.—A Couple of Small-Town Boys....6433
—Air Conditioning on Wheels....6533
—Carlton Tunnel Taps Watercourse....6404
—Cast-Iron Pipe....6321
—Ghost Camps....6474
—New Jersey Magnetite....6380
—New York Stock Exchange....6348
—Ozone, Super Oxidizer....6568
—Rice....6448

W

War the Disrupter....6598
Winning Slogans....6624
Waste Converted into Roadbuilding Material....6346
Wells, Oil from Depleted....6373
Whistle, Air, that "Puffs"....6599
Wilson, Howard—Fort Supply Dam Project....6518
Wind Power, Harnessing, for Distribution....6421
Wood Carver Uses Air Tools....6467
Words, Colloquial....6574
Workmen's Leisure....6419

Y

Yellowknife—Canada's Northmost Gold Camp—E. L. Chicanot....6557
Young, Henry W.—An Apple a Day....6413
—Friant Dam, Part I....6561
—Friant Dam, Part II....6577
—Mechanizing the Placer Prospector....6340
—Three Aids for Concrete Pouring....6621
—Wood Sandwiches....6429

January....Pages 6321—6347 inclusive
February....Pages 6348—6374 inclusive
March....Pages 6375—6399 inclusive
April....Pages 6400—6422 inclusive
May....Pages 6423—6447 inclusive
June....Pages 6448—6473 inclusive
July....Pages 6474—6499 inclusive
August....Pages 6500—6524 inclusive
September....Pages 6525—6550 inclusive
October....Pages 6551—6576 inclusive
November....Pages 6577—6602 inclusive
December....Pages 6603—6626 inclusive